

Title (en)  
LIQUID IMMERSSED SURGE ARRESTER

Title (de)  
IN EINE FLÜSSIGKEIT EINGELEGTÜBERSpannungsableitvorrichtung

Title (fr)  
PARAFoudre IMMERGE DANS DU LIQUIDE

Publication  
**EP 1747563 B1 20181226 (EN)**

Application  
**EP 05742148 A 20050428**

Priority  
• US 2005014590 W 20050428  
• US 83438804 A 20040429

Abstract (en)  
[origin: WO2005112051A1] A liquid immersed surge arrester that protects electrical equipment includes a module assembly. The module assembly includes at least one varistor and a pre-impregnated composite around the at least one varistor. The liquid immersed surge arrester also includes contacts on opposite ends of the module assembly with which the module assembly is connected to electrical equipment to be protected and to electrical ground. The liquid immersed surge arrester also includes a tank that houses the module assembly and the contacts. A fault-tolerant protection device for protecting electrical equipment includes a surge arrester to protect electrical equipment from damage during periods of voltage above a normal operating range. The fault-tolerant protection device also includes a surge durable fuse element to disconnect the surge arrester after failure of the surge arrester to allow unprotected operation of the electrical system.

IPC 8 full level  
**H01C 7/12** (2006.01); **H01H 85/44** (2006.01)

CPC (source: EP US)  
**H01C 7/12** (2013.01 - EP US); **H01C 7/126** (2013.01 - EP US); **H01H 85/44** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**WO 2005112051 A1 20051124**; AU 2005242350 A1 20051124; EP 1747563 A1 20070131; EP 1747563 B1 20181226;  
US 2005243495 A1 20051103; US 7633737 B2 20091215

DOCDB simple family (application)  
**US 2005014590 W 20050428**; AU 2005242350 A 20050428; EP 05742148 A 20050428; US 83438804 A 20040429